FCA – Fire Controlman Aegis

Fire Controlman Aegis is responsible for the operation, maintenance, testing, troubleshooting and repair of: RADAR, computers, networks, data display systems and integrated weapons system components. The AEGIS Weapon System provides theater, air and sea missile defense. AEGIS technicians are knowledgeable in basic electronics, digital fundamentals, synchros, servos, RADAR principles, the fire control problem and computer fundamentals. AEGIS technicians serve in both Ticonderoga Class Cruisers and Arleigh Burke Class Destroyers. They may be BMD/SPY RADAR, FCS/ORTS, Q21 Display, UYK-43 Computer and AEGIS Network technicians.

What They Do

- inspect, test, align, and repair micro/minicomputers and associated peripheral equipment, data conversion units, data display equipment, data link terminal equipment, print devices, and system related equipment;
- make analysis for detailed systems, computer programs, electronics, and electronic casualty control;
- operate associated built-in and external test equipment; load, initialize, and run preprogrammed diagnostic;
- operate the Aegis Weapon System, which includes one of the most powerful air-search radars, deployed at sea around the world, the SPY-1, as well the MK99 Fire Control System, used for terminal guidance of Standard Missiles, and the Aegis Computer Suite;
- run performance and testing routines for digital computer equipment, digital subsystems, digital systems, and overall combat systems.

Career Path After Recruit Training

Enlistees are taught the fundamentals of this rating through on-the-job training or formal Navy schooling. Advanced technical and operational training is available in this rating during later stages of career development.

<table>
<thead>
<tr>
<th>School</th>
<th>Present Location</th>
<th>Approximate Training Time</th>
<th>Subjects</th>
<th>Training Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apprentice Technical Training</td>
<td>Great Lakes, Ill.</td>
<td>11 Weeks</td>
<td>Basic electronics and electronic circuitry, safety, digital theory, microcomputers, fiber optics, test equipment and troubleshooting techniques.</td>
<td>Self-Paced Computer Based Training and laboratory application with written tests and practical laboratory performance tests.</td>
</tr>
<tr>
<td>FC Strand</td>
<td>Great Lakes, Ill.</td>
<td>20 Weeks</td>
<td>2-D and 3-D radar, Troubleshooting procedures, Missile and Gun System Ballistics, Firecontrol Basics.</td>
<td>Self-Paced Computer Based Training and laboratory application with written tests and practical laboratory performance tests.</td>
</tr>
</tbody>
</table>

After "A" school FCs continue on to advanced "C" school. School lengths and content vary, but many colleges and universities offer college credits for these Navy courses. During a 20-year period in the Navy FCs spend about 60 percent of their time assigned to fleet units or remote shore stations throughout the world and 40 percent to shore stations in the United States or overseas. FC AEGIS shore Billets count as Sea Duty Sea duty billets in 7th Fleet AOR, 6th Fleet AOR and 5th Fleet AOR are extremely arduous, with ships being out of homeport well above CONUS average AEGIS FC can expect to do one overseas tour in a career. They can also expect to do a shore tour in Dahlgren, VA.
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Opportunities

Over 600 men and women currently work as FCAs in the Navy. Opportunities are excellent for qualified candidates.

Qualifications and Interests

Fire Controlman Aegis must be U.S. citizens eligible to meet security clearance requirements. Important qualifications include knowledge of arithmetic, the capability to understand modern computing devices, the ability to speak and write well, function as a member of a team, do detailed work and keep accurate records. Additionally they must possess some physical strength, good manual dexterity and normal color perception.

Earn College Credit

The American Council on Education recommends that semester hour credits be awarded in the vocational certificate and lower-division bachelor's/associate's degree categories for courses taken in this rating on office machines and general clerical procedures. To see the college credits available via a Joint Service Transcript for this rating:

FCA
https://www.cool.navy.mil/usn/enlisted/fca.htm

Earn Department of Labor (DOL) Nationally Recognized Apprenticeships

The United Services Military Apprenticeship Program (USMAP) is a formal military training program that provides active duty and Full Time Support (FTS) Service members the opportunity to improve their job skills and to complete their civilian apprenticeship requirements while they are on active duty. The U.S. Department of Labor (DOL) provides the nationally recognized “Certificate of Completion” upon program completion. Visit United Services Military Apprenticeship Program (USMAP) for FCA apprenticeships.

FCA
https://usmap.netc.navy.mil/USMAPSS/static/navyRates.htm

Earn Industry Recognized Credentials

Navy Credentialing Opportunities On-Line (Navy COOL) Navy COOL catalogs and defines comprehensive information on occupational credentials - including certifications, licenses, and apprenticeships - correlating with every Navy rating and some collateral duties. It provides “how to’ instructions for pursuing these credentials, links to credentialing organizations, and cross-references to programs that help Sailors pay for credentialing fees. Shortly following the initial rating technical training (Class “A” technical school), Sailors may be able to take advantage of earning civilian/industry certifications & licenses (credentials), funded through Navy COOL. Visit the Navy COOL website to view these opportunities. See the link below.

FCA
https://www.cool.navy.mil/usn/enlisted/fca.htm

Download the Navy COOL App:
Navy COOL App (iOS):
Navy COOL App (Android):

Manage a Navy Career with Navy LaDR (Learning and Development Roadmap)

To see the Navy LaDR (Learning and Development Roadmap) for this rating:

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Earn Skill Sets Towards Civilian Related Occupations

The skill sets for this rating crosswalk to civilian related occupations listed by the U.S. Department of Labor. To see Related Civilian, Federal, and Military Sealift Command Occupations for this rating, see the link below:

FCA
https://www.cool.navy.mil/usn/enlisted/fca.htm

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